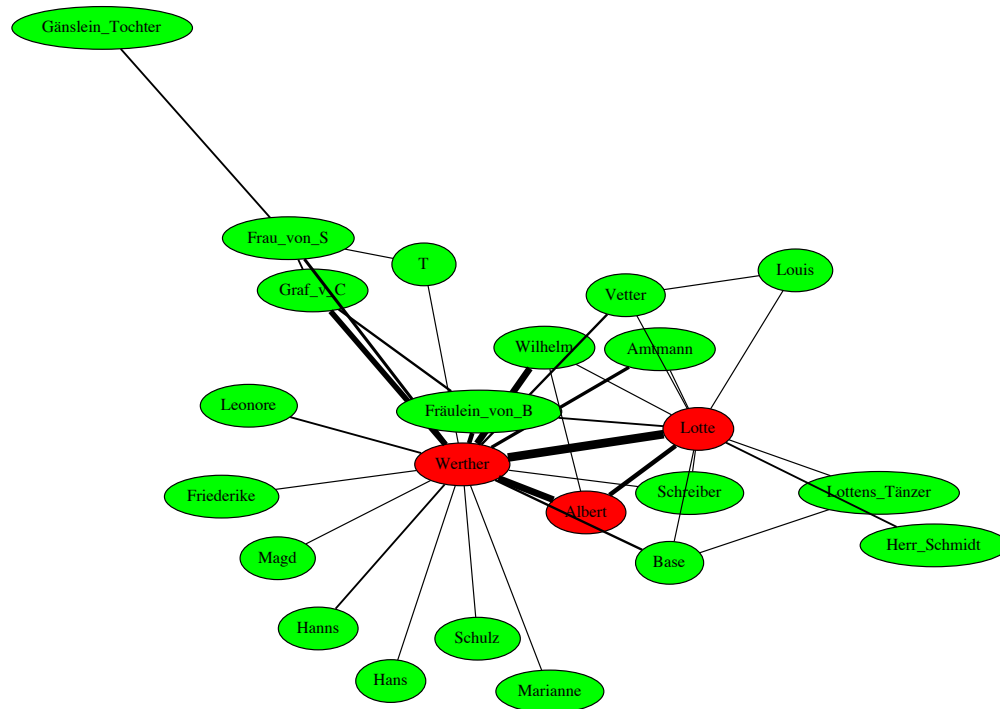# rCat v0.1
Program for Relational Semantics

Figure 1: Network

1 Data Input

- analyzed text: "1___Goethe_Die_Leiden_des_jungen_Werthers_1774 Kopie.txt"

- length of text: 35186 tokens

- number of characters (with at least one degree): 23

- distance measure: 10

- context measure 1 (words before Character 1): 8

- context measure 2 (words after Character 2): 8

2 Network Parameters

- average degree: 3.0434782608695654

- sd degree: 3.878592304028559

- density: 0.1383399209486166

Degrees

Character (Node)	degree	weighted degree
Werther	18	326
Lotte	11	181
Albert	3	67
Wilhelm	3	51
Vetter	3	5
Friederike	1	1
Magd	1	1
Schreiber	2	2
Hans	1	1
Marianne	1	1
Graf v. C.	3	30
Louis	2	2
Gänslein Tochter	1	2
Hanns	1	2
Amtmann	2	7
Base	3	5
Lottens Tänzer	2	2
Frau von S . .	4	10
T . .	2	2
Fräulein von B . .	3	19
Herr Schmidt	1	2
Leonore	1	2
Schulz	1	1

Weights for Edges

Character Pair (Edge)	Weight
Werther -- Lotte	157
Werther -- Albert	53
Werther -- Wilhelm	49
Werther -- Vetter	3
Werther -- Friederike	1
Werther -- Magd	1
Werther -- Schreiber	1
Werther -- Hans	1
Werther -- Marianne	1
Werther -- Graf v. C.	25
Werther -- Hanns	2
Werther -- Amtmann	6
Werther -- Base	3
Werther -- Frau von S . .	5
Werther -- T . .	1
Werther -- Fräulein von B . .	14
Werther -- Leonore	2
Werther -- Schulz	1
Lotte -- Albert	13
Lotte -- Wilhelm	1
Lotte -- Vetter	1
Lotte -- Schreiber	1
Lotte -- Louis	1
Lotte -- Amtmann	1
Lotte -- Base	1
Lotte -- Lottens Tänzer	1
Lotte -- Fräulein von B . .	2
Lotte -- Herr Schmidt	2
Albert -- Wilhelm	1
Vetter -- Louis	1
Graf v. C. -- Frau von S . .	2
Graf v. C. -- Fräulein von B . .	3
Gänslein Tochter -- Frau von S . .	2
Base -- Lottens Tänzer	1
Frau von S . . -- T . .	1

3   Word Cloud for single characters

Figure 2: word cloud of "Werther"

Figure 3: word cloud of "Lotte"

Figure 4: word cloud of "Albert"

4 Word Cloud for character pairs

Figure 5: word cloud of "Werther -- Lotte"

Figure 6: word cloud of "Werther -- Albert"

Figure 7: word cloud of "Werther -- Wilhelm"

rCat, v.0.1

This program is developed by Dr. Roman Klinger, Sandra Murr, Evgeny Kim and Florian Barth. It is part of the Center for Reflected Text Analytics (CRETA) at the Universtiy of Stuttgart.

Feel free to contact us:

- roman.klinger@ims.uni-stuttgart.de

- sandra.murr@ilw.uni-stuttgart.de

- evgeny.kim@ims.uni-stuttgart.de

- florianbarth@ilw.uni-stuttgart.de